

MONTHLY CALCULATED PARAMETER WORKSHEET - JULY 2017

Parameter Code	Parameter Description & Data Source	Raw Data	Calculated Value
00011	Temperature, Effluent °F From Monthly Status Reports	Week 1 Average: 82 °F Week 2 Average: 85 °F Week 3 Average: 90 °F Week 4 Average: 89 °F Week 5 Average: 85 °F	86.2 °F (= average of raw data) 94 °F Monthly Max (from Monthly Status Reports)
00145	BOD ₅ Results from Lab analysis Flow results from Parameter Code 50500 (Avg)	BOD ₅ < 5.3 mg/L 0.213 MGD	9.411388175 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
	Results from Lab analysis Flow results from Parameter Code 50500 (Max Daily)	BOD ₅ < 5.3 mg/L 0.41 MGD	18.12282 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
00400	pH From Monthly Status Reports	Minimum 7.9 SU Maximum 8.5 SU	

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00530	Total Suspended Solids								
	Results from Lab analysis	TSS	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>26</td><td>mg/L</td></tr> <tr><td>0.213</td><td>MGD</td></tr> </table> 46.16907407 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	26	mg/L	0.213	MGD		
26	mg/L								
0.213	MGD								
	Flow results from Parameter Code 50500 (Avg)								
	Results from Lab analysis	TSS	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>26</td><td>mg/L</td></tr> <tr><td>0.41</td><td>MGD</td></tr> </table> 88.9044 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	26	mg/L	0.41	MGD		
26	mg/L								
0.41	MGD								
	Flow results from Parameter Code 50500 (Max Daily)								
00610	Ammonia (as N)	NODI							
	Results from Lab analysis	Ammonia	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>0.85</td><td>mg/L</td></tr> <tr><td>0.213</td><td>MGD</td></tr> </table> 1.509373575 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	0.85	mg/L	0.213	MGD		
0.85	mg/L								
0.213	MGD								
	Flow results from Parameter Code 50500								
00630	Nitrite plus Nitrate								
	Results from Lab analysis	Nitrite	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>0.031</td><td>(a) mg/L</td></tr> <tr><td>38.8</td><td>(b) mg/L</td></tr> </table> 38.831 mg/L (= a + b)	0.031	(a) mg/L	38.8	(b) mg/L		
0.031	(a) mg/L								
38.8	(b) mg/L								
	Results from Lab analysis	Nitrate							
00745	Sulfide, total	NODI							
	Results from Lab analysis	Sulfide	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td><</td><td>0.05</td><td>mg/L</td></tr> <tr><td>0.213</td><td>MGD</td><td></td></tr> </table> 0.088786681 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	<	0.05	mg/L	0.213	MGD	
<	0.05	mg/L							
0.213	MGD								
	Flow results from Parameter Code 50500 (Avg)								
	Results from Lab analysis	Sulfide	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td><</td><td>0.05</td><td>mg/L</td></tr> <tr><td>0.41</td><td>MGD</td><td></td></tr> </table> 0.17097 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	<	0.05	mg/L	0.41	MGD	
<	0.05	mg/L							
0.41	MGD								
	Flow results from Parameter Code 50500 (Max Daily)								

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01034	Chromium, total	NODI	
	Results from Lab analysis	Chromium	9 mg/L
	Flow results from Parameter Code 50500 (Avg)	0.213 MGD	0 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
	Results from Lab analysis	Chromium	000 0 mg/L
	Flow results from Parameter Code 50500 (Max Daily)	0.41 MGD	0 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
01034	Phenols	NODI	
	Results from Lab analysis	Phenolics	< 0.015 mg/L
	Flow results from Parameter Code 50500 (Avg)	0.2129177 MGD	0.026636004 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
	Results from Lab analysis	Phenolics	< 0.015 mg/L
	Flow results from Parameter Code 50500 (Max Daily)	0.41 MGD	0.051291 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
50050	Flow		
	From Monthly Status Reports	Week 1 Average: Week 2 Average: Week 3 Average: Week 4 Average: Week 5 Average:	188376 gal/d 95352 gal/d 257227 gal/d 261094 gal/d 262540 gal/d
			Average of first and last week
			0.213 MGD (= average of raw data/1,000,000)
			0.410 MGD Monthly Max (from Monthly Status Reports)

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Parameter Code	Parameter Description & Data Source	Raw Data	Calculated Value																														
51040	e-Coli (April - Oct)	NODI																															
	Results from Lab analysis	Week 1 Result: <table border="1"><tr><td><</td><td>10</td><td>CFU/100mL</td></tr><tr><td></td><td></td><td></td></tr></table> Week 2 Result: <table border="1"><tr><td><</td><td>10</td><td>CFU/100mL</td></tr><tr><td></td><td></td><td></td></tr></table> Week 3 Result: <table border="1"><tr><td><</td><td>10</td><td>CFU/100mL</td></tr><tr><td></td><td></td><td></td></tr></table> Week 4 Result: <table border="1"><tr><td><</td><td>10</td><td>CFU/100mL</td></tr><tr><td></td><td></td><td></td></tr></table> Week 5 Result: <table border="1"><tr><td></td><td></td><td>CFU/100mL</td></tr><tr><td></td><td></td><td></td></tr></table>	<	10	CFU/100mL				<	10	CFU/100mL				<	10	CFU/100mL				<	10	CFU/100mL						CFU/100mL				10.000 CFU/100mL (= average of raw data)
<	10	CFU/100mL																															
<	10	CFU/100mL																															
<	10	CFU/100mL																															
<	10	CFU/100mL																															
		CFU/100mL																															
			10																														
81017	Chemical Oxygen Demand	NODI																															
	Results from Lab analysis	COD <table border="1"><tr><td>189</td><td>mg/L</td></tr><tr><td>0.213</td><td>MGD</td></tr></table>	189	mg/L	0.213	MGD	336 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)																										
189	mg/L																																
0.213	MGD																																
	Flow results from Parameter Code 50500 (Avg)																																
	Results from Lab analysis	COD <table border="1"><tr><td>189</td><td>mg/L</td></tr><tr><td>0.41</td><td>MGD</td></tr></table>	189	mg/L	0.41	MGD	646 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)																										
189	mg/L																																
0.41	MGD																																
	Flow results from Parameter Code 50500 (Max Daily)																																